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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO. 660088,415

APPLICATION NO. 10/020,867

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS
Thomas R. Szabo et al.

FILING DATE

December 14, 2001

GROUP ART UNIT
Not yet assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB			COPY OF PAPERS ORIGINALLY FILED			
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	AD						
	AE	-					
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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	DOCOMENT NONDER	DATE	COUNTRY	YES	NO	
AG						
AH						
AI						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RR	AJ	-	Choi et al., "Weight loss in rats treated with intracerebroventricular cobalt protoporphyrin is not specific to the neuropeptide Y system," <i>Brain Research</i> 729(2):223-227, August 12, 1996.
RR	AK		Galbraith and Kappas, "Cobalt-protoporphyrin suppresses expression of genetic obesity in homozygous (fa/fa) Zucker rats," <i>Pharmacology</i> 41(5):292-298, 1990.
ren	AL	-	Galbraith and Kappas, "Regulation of food intake and body weight by cobalt porphyrins in animals," P.N.A.S. USA 86(19):7653-7657, October 1989.
RT	AM	_	Sies, "Ebselen, a selenoorganic compound as glutathione peroxidase mimic," Free Radical Biology Medicine 14(3):313-323, March 1993.
RR	AN	-	Tomaro et al., "Heme oxygenase induction by CoCl <sub>2</sub> , Co-protoporphyrin IX, phenylhydrazine, and diamide: evidence for oxidative stress involvement," <i>Arch. Biochem. Biophys.</i> 286(2):610-617, May 1, 1991.
) RT	AO		Turner et al., "Lack of NPY-induced feeding in cobalt protoporphyrin-treated rats is a postreceptor defect," <i>Physiology Behavior</i> 56(5):1009-1014, November 1994.

**EXAMINER** 

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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phenyl groups, Chemical Abstract Service MARPAT Database, February 24

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		December 199	<del>1</del> 9.							<i>,</i>
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